

TOMAR LED
NFPA-1901 Large Apparatus System
with Tomar 960L BLADE or 930L LED Lightbars
& Tomar LED Remote Warning Lamps

The minimum system requirements detailed in this document, meet or exceed the *NFPA-1901 Standard for Automotive Fire Apparatus* and *SAE J2498 Minimum Performance of the Warning Light System used on Emergency Vehicles*, for large vehicles 22 feet or longer.

The following minimum LED warning light configurations can be used to comply with any size NFPA-1901 apparatus or SAE J2498 Emergency Vehicle.

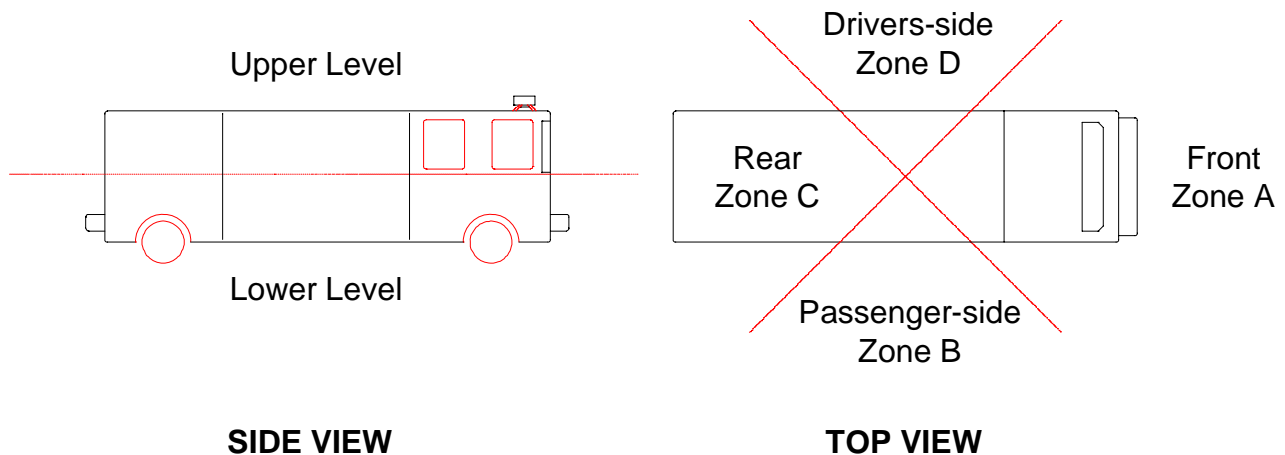
Tomar Rect-25L, Rect-37L, Rect-46L, Rect-79L (Single Element LED Warning Lamps) are specified in the following pages. However, the single channel LED warning lamps may be substituted with dual channel LED warning lamps, such as the Rect-37LL, Rect-46LL & Rect-79LL (Dual Side-by-Side Element LED Warning Lamps) or Rect-37LLV, Rect-46LLV & Rect-79LLV (Dual Top-Bottom Element LED Warning Lamps). The Tomar Rect-37L, Rect-46L, Rect-79L series are also available with colored lens; Tomar Rect-37CL, Rect-46CL, Rect-79CL. Dual channel LED warning lamps; LL or LLV are available in single colored lens only. The Tomar 200-2, 200-6 or 200-8 LED Lightsticks are equivalent to usage of the Rect25LS in quantities of 2, 6 and 8 respectively.

Select a Tomar LED Lightbar and the desired NFPA compatible color configuration. Then complete your minimum NFPA warning light system from the color selections for each zone on the proceeding pages. Once your zonal minimums are selected, additional warning lamps of any type may be added.

NFPA requires at least 2 warning lamps in Side Zones B & D. Each to be placed on the front and rear sides as close to the corner points of the apparatus as possible. If required, one or more midship warning light(s) shall be mounted in each B & D Side Zone if the distance between the front and rear lower-level warning lamps exceeds 25 ft (7.6m).

Note that some, or all, of the Rear Upper Zone C LED lamps selected may be located in the Rear Lamp positions of the Lightbar, if practical for your vehicle application.

Zonal Placement of Warning Lamps



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FRONT UPPER ZONE A - Aerial Truck Application

Minimum 1,000,000 cd-sec/min

Lightbar Warning Lamp configurations, select from approved compatible NFPA layouts.

Select a Tomar 465L or 930L Lightbar:

- 2 - 930L-2402 or 2 - 465L-2402**
 - 4-Rect-37L-Red + 4-Rect-34L-Red
 - 4-Rect-37L-Red + 4-Rect-34L-White
 - 4-Rect-37L-Red/White + 4-Rect-34-Red

- 2 - 930L-3203 or 2 - 465L-3203**
 - **6-Rect-37L-Red + 4-Rect-34L-Red
 - 4-Rect-37L-Red + 4-Rect-34L-Red + [2-Rect-37L-White or PRE2-1C Emitter]
 - 6-Rect-37L-Red + 4-Rect-34-White
 - 3-Rect-37L-Red + 3-Rect-37L-Blue + 2-Rect-34L-Red + 2-Rect-34L-Blue
 - 2-Rect-37L-Red + 2-Rect-37L-Blue + 2-Rect-34L-Red + 2-Rect-34L-Blue
+ [2-Rect-37L-White or PRE2-1C Emitter]

A pair of **465L or 930L-3203, all Red LED Lightbars may be rotated into Zone B & D up to 30 degrees. A pair of **930L-3203**, all Red LED Lightbars, (with DA & PA = Red) may be rotated into Zone B & D between 25 degrees and 30 degrees to provide coverage for Upper Zones A, B & D.

LED Lamps may be Rect-37L (Single Channel), LL (Dual Channel Side-by-Side), or LLV (Dual Channel Top-Bottom) with White or Colored lens.

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FRONT UPPER ZONE A - Pumper Truck Application

Minimum 1,000,000 cd-sec/min

Lightbar Warning Lamp configurations, select from approved compatible NFPA layouts.

Select a Tomar 465L or 930L Lightbar:

- 930L-4805 or 465L-4805**
 - 5-Rect-37L-Red + 2-Rect-34L-Red or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 5-Rect-37L-Red + 2-Rect-34L-White or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 2-Rect-37L-Red + 2-Rect-37L-Blue + 1-Rect-34L-Red + 1-Rect-34L-Blue
+ [1-Rect-37L-White or PRE2-1C Emitter]

- 930L-5606 or 465L-5606**
 - 6-Rect-37L-Red + 2-Rect-34L-Red or [add 2-Rect-37L-White or PRE2-1C Emitter]
 - 6-Rect-37L-Red + 2-Rect-34L-White or [add 2-Rect-37L-White or PRE2-1C Emitter]
 - 3-Rect-37L-Red + 3-Rect-37L-Blue + 1-Rect-34L-Red + 1-Rect-34L-Blue
or [add 2-Rect-37L-White or 1-PRE2-1C Emitter]
 - 3-Rect-37L-Red + 3-Rect-37L-Blue + 2-Rect-34L-White
or [add 2-Rect-37L-White or 1-PRE2-1C Emitter]

- 930L-6407 or 465L-6407**
 - 7-Rect-37L-Red + 2-Rect-34L-Red or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 7-Rect-37L-Red + 2-Rect-34L-White or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 3.5-Rect-37L-Red + 3.5-Rect-37L-Blue + 1-Rect-34L-Red + 1-Rect-34L-Blue
or [add 1-Rect-37L-White or 1-PRE2-1C Emitter]
 - 3.5-Rect-37L-Red + 3.5-Rect-37L-Blue + 2-Rect-34L-White
or [add 1-Rect-37L-White or 1-PRE2 1C Emitter]

LED Lamps may be Rect-37L (Single Channel), LL (Dual Channel Side-by-Side),
or LLV (Dual Channel Top-Bottom) with White or Colored lens.

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FRONT UPPER ZONE A - Pumper Truck Application

Minimum 1,000,000 cd-sec/min

Lightbar Warning Lamp configurations, select from approved compatible NFPA layouts.

Select a Tomar 465L or 930L Lightbar:

- 930L-7208 or 465L-7208**
 - 8-Rect-37L-Red + 2-Rect-34L-Red or [add 2-Rect-37L-White or 1-PRE2-1C Emitter]
 - 8-Rect-37L-Red + 2-Rect-34L-White or [add 2-Rect-37L-White or 1-PRE2-1C Emitter]
 - 4-Rect-37L-Red +4-Rect-37L-Blue + 1-Rect-34L-Red +1-Rect34L-Blue
or [add 2-Rect-37L-White or 1-PRE2-1C Emitter]
 - 4-Rect-37L-Red +4-Rect-37L-Blue + 2-Rect-34L-White
or [add 2-Rect-37L-White or 1-PRE2 1C Emitter]

- 930L-8009 or 465L-8009**
 - 9-Rect-37L-Red + 2-Rect-34L-Red or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 9-Rect-37L-Red + 2-Rect-34L-White or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 4.5-Rect-37L-Red + 4.5-Rect-37L-Blue + 1-Rect-34L-Red + 1-Rect-34L-Blue
or [add 1-Rect-37L-White or 1-PRE2-1C Emitter]
 - 4.5-Rect-37L-Red + 4.5-Rect-37L-Blue + 2-Rect-34L-White
or [add 1-Rect-37L-White or 1-PRE2 1C Emitter]

- 930L-8810 or 465L-8810**
 - 10-Rect-37L-Red + 2-Rect-34L-Red or [add 2-Rect-37L-White or PRE2-1C Emitter]
 - 10-Rect-37L-Red + 2-Rect-34L-White or [add 2-Rect-37L-White or PRE2-1C Emitter]
 - 5-Rect-37L-Red + 5-Rect-37L-Blue + 1-Rect-34L-Red + 1-Rect-34L-Blue
or [add 2-Rect-37L-White or 1-PRE2-1C Emitter]
 - 5-Rect-37L-Red + 5-Rect-37L-Blue + 2-Rect-34L-White
or [add 2-Rect-37L-White or 1-PRE2 1C Emitter]

- 930L-9611 or 465L-9611**
 - 11-Rect-37L-Red + 2-Rect-34L-Red or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 11-Rect-37L-Red + 2-Rect-34L-White or [add 1-Rect-37L-White or PRE2-1C Emitter]
 - 5.5-Rect-37L-Red + 5.5-Rect-37L-Blue + 1-Rect-34L-Red + 1-Rect-34L-Blue
or [add 1-Rect-37L-White or 1-PRE2-1C Emitter]
 - 5.5-Rect-37L-Red + 5.5-Rect-37L-Blue + 2-Rect-34L-White
or [add 1-Rect-37L-White or 1-PRE2 1C Emitter]

LED Lamps may be Rect-37L (Single Channel), LL (Dual Channel Side-by-Side), or LLV (Dual Channel Top-Bottom) with White or Colored lens.

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FRONT UPPER ZONE A - Pumper Truck Application

Minimum 1,000,000 cd-sec/min

Lightbar Warning Lamp configurations, select from approved compatible NFPA layouts.

Select a Tomar 960L BLADE Lightbar:

- 960L-44, 960L-49 or 960L-54 configuration**
 - 3-960-HP-LMOD-Red
 - 4-960-SD-LMOD-Red
 - 5-960-LP-LMOD-Red
 - 4-960-LP-LMOD-Red + 2-960-TDRW (Flashing White Takedowns)
 - 2-960-HP-LMOD-Red + 2-960-HP-LMOD-Blue
 - 3-960-SD-LMOD-Red + 3-960-SD-LMOD-Blue
 - 4-960-LP-LMOD-Red + 4-960-LP-LMOD-Blue
 - 2-960-SD-LMOD-Red + 2-960-HP-LMOD-Blue + 2-960-TDRW (Flashing White Takedowns)

Note: Any minimum power level specified above can be upgraded. Flashing White Takedowns are to be off in Clearing Right of Way mode.

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UPPER ZONE B & D

Minimum 400,000 cd-sec/min for each Zone B & D Upper

If configuring a 930L Lightbar select one minimum color combination:

| <u>930L side configuration</u> | <u>Remote Lamps</u> |
|---|-----------------------------------|
| <input type="checkbox"/> 1-Rect-37L-Red or Amber | 1-Rect-37L-Red or Amber |
| <input type="checkbox"/> 1-Rect-37L-Red or Amber | 1-Rect25LSHP-Red or Amber |
| <input type="checkbox"/> 1-Rect-37L-Red or Amber | 2-Rect25LSLC-Red or Amber |
| <input type="checkbox"/> 1-Rect-37L-Red or Amber | 2-Rect25LSHP-Blue |
| <input type="checkbox"/> 1-Rect-37CL-Red or Amber | 1-Rect-37CL-Red or Amber |
| <input type="checkbox"/> 1-Rect-37CL-Red or Amber | 1-Rect25CLSHP-Red |
| <input type="checkbox"/> 1-Rect-37CL-Red or Amber | 2-Rect25CLSSD-Amber |
| <input type="checkbox"/> 1-Rect-37CL-Red or Amber | 3-Rect25CLSHP-Blue |
| <input type="checkbox"/> 1-Rect-37L-Blue | 1-Rect-37L-Red + 1-Rect37L-Blue |
| <input type="checkbox"/> 1-Rect-37L-Blue | 1-Rect-37L-Amber + 1-Rect37L-Blue |
| <input type="checkbox"/> 1-Rect-37L-Blue | 1-Rect-25LSSD-Red |
| <input type="checkbox"/> 1-Rect-37L-Blue | 2-Rect-25LSSD-Amber |
| <input type="checkbox"/> 1-Rect-37L-Blue | 3-Rect-25LSHP-Blue |
| <input type="checkbox"/> 1-Rect-37CL-Blue | 2-Rect-37CL-Red or Amber |
| <input type="checkbox"/> 1-Rect-37CL-Blue | 1-Rect-25CLSHP-Red |
| <input type="checkbox"/> 1-Rect-37CL-Blue | 2-Rect-25CLSHP-Amber |

Note:

- White warning lamps must be disabled in Blocking Right of Way.
- When using more than one warning lamp size, select a minimum color combination and then upgrade any Rect-37L to a 46L or 79L, or any 46L to a 79L. The RECT25 minimum power level specified above may be upgraded to a higher power level.

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UPPER ZONE B & D

Minimum 400,000 cd-sec/min for each Zone B & D Upper

If configuring a 960L BLADE Lightbar select one minimum color combination:

| <u>BLADE side configuration</u> | <u>Remote Lamps</u> |
|---|---------------------------------|
| <input type="checkbox"/> 2-960-TRIMOD-Red | None Required |
| <input type="checkbox"/> 2-960-TRIMOD-Blue | 1-RECT25LSSD-Red |
| <input type="checkbox"/> 2-960-TRIMOD-Blue | 1-RECT25CLSHP-Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-White | 1-RECT25LSLC-Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-White | 1-RECT25CLSLC-Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-White | 1-RECT25LSSD-Amber |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-White | 1-RECT25CLSHP-Amber |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-White | 1-RECT-37L-Amber or Red |
| <input type="checkbox"/> 1-960-TRIMOD-Blue + 1-960-TRIMOD-White | 1-RECT25LSHP-Red |
| <input type="checkbox"/> 1-960-TRIMOD-Blue + 1-960-TRIMOD-White | 2-RECT25CLSSD-Red |
| <input type="checkbox"/> 1-960-TRIMOD-Blue + 1-960-TRIMOD-White | 1-RECT-79L-Amber or Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-Blue | 1-RECT25LSSD-Amber, Blue or Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-Blue | 1-RECT25LSLC-Amber or Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-Blue | 1-RECT25CLSSD-Amber or Red |
| <input type="checkbox"/> 1-960-TRIMOD-Red + 1-960-TRIMOD-Blue | 1-RECT-37L-Amber, Blue or Red |
| <input type="checkbox"/> 2-960-TRIMOD-Blue | 1-RECT-46L-Red |
| <input type="checkbox"/> 2-960-TRIMOD-Blue | 1-RECT-79L-Amber or Red |

Optional BLADE configuration - Qty 1 or 2 960-ALLEY lamps. These optional White steady burning spot lamps may also be configured to flash mode dependent.

Note:

- White warning lamps must be disabled in Blocking Right of Way.
- When using more than one warning lamp size, select a minimum color combination and then upgrade any Rect-37L to a 46L or 79L, or any 46L to a 79L. The RECT25 minimum power level specified above may be upgraded to a higher power level.

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UPPER ZONE B & D

Minimum 400,000 cd-sec/min for each Zone B & D Upper

Use the configurations below for stand-alone zone compliance. See the next page for Lightbar contributions.

Select one minimum color combination:

| <u>Clear LED Lenses</u> | <u>Colored LED Lenses</u> |
|--|--|
| <input type="checkbox"/> 2-Rect25LSLC-Red | or 3-Rect25CLSCL-Red |
| <input type="checkbox"/> | or 2-Rect25CLSHP-Red |
| <input type="checkbox"/> 1-Rect25LSHP-Red + 1-Rect25LSHP-Blue | or 1-Rect25CLSHP-Red + 1-Rect25CLSHP-Blue |
| <input type="checkbox"/> 1-Rect25LSSD-Red + 1-Rect25LSSD-Amber | or 1-Rect25CLSHP-Red + 1-Rect25CLSHP-Amber |
| | |
| <input type="checkbox"/> 2-Rect-37L-Red | or 2-Rect-37CL-Red |
| <input type="checkbox"/> 2-Rect-37L-Amber | or 2-Rect-37CL-Amber |
| <input type="checkbox"/> 4-Rect-37L-Blue | or 5-Rect-37CL-Blue |
| <input type="checkbox"/> 1-Rect-37L-Red + 1-Rect-37L-Amber | or 1-Rect-37CL-Red + 1-Rect-37CL-Amber |
| <input type="checkbox"/> 1-Rect-37L-Red + 2-Rect-37L-Blue | or 1-Rect-37CL-Red + 2-Rect-37CL-Blue |
| <input type="checkbox"/> 1-Rect-37L-Amber + 2-Rect-37L-Blue | or 1-Rect-37CL-Amber + 2-Rect-37CL-Blue |
| <input type="checkbox"/> 2-Rect-37LL-Red/Amber | - not available in colored lens - |
| <input type="checkbox"/> 3-Rect-37LL-Red/Blue | - not available in colored lens - |
| <input type="checkbox"/> 3-Rect-37LL-Amber/Blue | - not available in colored lens - |
| | |
| <input type="checkbox"/> 2-Rect-46L-Red | or 2-Rect-46CL-Red |
| <input type="checkbox"/> 2-Rect-46L-Amber | or 2-Rect-46CL-Amber |
| <input type="checkbox"/> 3-Rect-46L-Blue | or 4-Rect-46CL-Blue |
| <input type="checkbox"/> 1-Rect-46L-Red + 1-Rect-46L-Amber | or 1-Rect-46CL-Red + 1-Rect-46CL-Amber |
| <input type="checkbox"/> 1-Rect-46L-Red + 1-Rect-46L-Blue | or 1-Rect-46CL-Red + 1-Rect-46CL-Blue |
| <input type="checkbox"/> 1-Rect-46L-Amber + 1-Rect-46L-Blue | or 1-Rect-46CL-Amber + 2-Rect-46CL-Blue |
| <input type="checkbox"/> 2-Rect-46LL-Red/Amber | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-46LL-Red/Blue | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-46LL-Amber/Blue | - not available in colored lens - |
| | |
| <input type="checkbox"/> 1-Rect-79L-Red | or 1-Rect-79CL-Red |
| <input type="checkbox"/> 1-Rect-79L-Amber | or 1-Rect-79CL-Amber |
| <input type="checkbox"/> 2-Rect-79L-Blue | or 2-Rect-79CL-Blue |
| <input type="checkbox"/> 1-Rect-79LL-Red/Amber | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-79LL-Red/Blue | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-79LL-Amber/Blue | - not available in colored lens - |

Note:

- White warning lamps must be disabled in Blocking Right of Way.
- When using more than one warning lamp size, select a minimum color combination and upgrade any Rect-37L to a 46L or 79L, or any 46L to a 79L.

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REAR UPPER ZONE C

Minimum 800,000 cd-sec/min

Select one minimum color combination:

Clear LED Lenses

- 2-Rect-25LSHP-Red
- 4-Rect-25LSHP-Amber

- 4-Rect-37L-Red
- 4-Rect-37L-Amber
- 2-Rect-37L-Red + 2-Rect-37L-Amber
- 3-Rect-37L-Red + 2-Rect-37L-Blue
- 3-Rect-37L-Amber + 2-Rect-37L-Blue
- 4-Rect-37LL-Red/Amber
- 5-Rect-37LL-Red/Blue
- 5-Rect-37LL-Amber/Blue

- 3-Rect-46L-Red
- 3-Rect-46L-Amber
- 1-Rect-46L-Red + 2-Rect-46L-Amber
- 2-Rect-46L-Red + 1-Rect-46L-Amber
- 2-Rect-46L-Red + 1-Rect-46L-Blue
- 2-Rect-46L-Amber + 2-Rect-46L-Blue
- 3-Rect-46LL-Red/Amber
- 4-Rect-46LL-Red/Blue
- 4-Rect-46LL-Amber/Blue

- 2-Rect-79L-Red
- 2-Rect-79L-Amber
- 4-Rect-79L-Blue
- 1-Rect-79L-Red + 1-Rect-79L-Amber
- 1-Rect-79L-Red + 2-Rect-79L-Blue
- 2-Rect-79LL-Red/Amber
- 3-Rect-79LL-Red/Blue
- 2-Rect-79LL-Amber/Blue

Colored LED Lenses

- or 3-Rect-25CLSHP-Red
- or 5-Rect-25CLSHP-Amber

- or 4-Rect-37CL-Red
- or 4-Rect-37CL-Amber
- or 2-Rect-37CL-Red + 2-Rect-37CL-Amber
- or 3-Rect-37CL-Red + 2-Rect-37CL-Blue
- or 3-Rect-37CL-Amber + 2-Rect-37CL-Blue
- not available in colored lens -
- not available in colored lens -
- not available in colored lens -

- or 3-Rect-46CL-Red
- or 4-Rect-46CL-Amber
- or 2-Rect-46CL-Red + 2-Rect-46CL-Amber
- or 2-Rect-46CL-Red + 3-Rect-46CL-Blue
- or 3-Rect-46CL-Amber + 2-Rect-46CL-Blue
- not available in colored lens -
- not available in colored lens -
- not available in colored lens -

- or 2-Rect-79CL-Red
- or 2-Rect-79CL-Amber
- or 4-Rect-79CL-Blue
- or 1-Rect-79CL-Red + 1-Rect-79CL-Amber
- or 1-Rect-79CL-Red + 2-Rect-79CL-Blue
- not available in colored lens -
- not available in colored lens -
- not available in colored lens -

Note:

- Some, or all, of the Upper Zone C warning lamps may be mounted in the rear of a 465L, 930L or 960L BLADE Lightbar.
- White warning lamps are NOT PERMITTED in Zone C.
- When using more than one warning lamp size, select a minimum color combination and upgrade any Rect-37L to a 46L or 79L, or any 46L to a 79L.

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LOWER ZONE A, B, C & D

Minimum 150,000 cd-sec/min for each Lower Zone

Select one minimum color combination:

| <u>Clear LED Lenses</u> | <u>Colored LED Lenses</u> |
|---|---|
| <input type="checkbox"/> 2-Rect-25LSLC-Red | or 2-Rect-25CLSCLC-Red |
| <input type="checkbox"/> 2-Rect-25LSSD-Blue | or 2-Rect-25CLSHP-Blue |
| <input type="checkbox"/> 1-Rect-25LSLC-Red + 1-Rect-25LSLC-Blue | or 1-Rect-25CLSCLC-Red + 1-Rect-25CLSCLC-Blue |
| <input type="checkbox"/> 2-Rect-25LSLC-Amber | or 2-Rect-25CLSCLC-Amber |
| | |
| <input type="checkbox"/> 2-Rect-37L-Red | or 2-Rect-37CL-Red |
| <input type="checkbox"/> 2-Rect-37L-Amber | or 2-Rect-37CL-Amber |
| <input type="checkbox"/> 2-Rect-37L-Blue | or 2-Rect-37CL-Blue |
| <input type="checkbox"/> 1-Rect-37L-Red + 1-Rect-37L-Amber | or 1-Rect-37CL-Red + 1-Rect-37CL-Amber |
| <input type="checkbox"/> 1-Rect-37L-Red + 1-Rect-37L-Blue | or 1-Rect-37CL-Red + 1-Rect-37CL-Blue |
| <input type="checkbox"/> 1-Rect-37L-Amber + 1-Rect-37L-Blue | or 1-Rect-37CL-Amber + 1-Rect-37CL-Blue |
| <input type="checkbox"/> 1-Rect-37L-Red + 1-Rect-37L-White | or 1-Rect-37CL-Red + 1-Rect-37L-White |
| <input type="checkbox"/> 2-Rect-37LL-Red/Amber | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-37LL-Red/Blue | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-37LL-Amber/Blue | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-37LL-Red/White | - not available in colored lens - |
| | |
| <input type="checkbox"/> 2-Rect-46L-Red | or 2-Rect-46CL-Red |
| <input type="checkbox"/> 2-Rect-46L-Amber | or 2-Rect-46CL-Amber |
| <input type="checkbox"/> 2-Rect-46L-Blue | or 2-Rect-46CL-Blue |
| <input type="checkbox"/> 1-Rect-46L-Red + 1-Rect-46L-Amber | or 1-Rect-46CL-Red + 1-Rect-46CL-Amber |
| <input type="checkbox"/> 1-Rect-46L-Red + 1-Rect-46L-Blue | or 1-Rect-46CL-Red + 1-Rect-46CL-Blue |
| <input type="checkbox"/> 1-Rect-46L-Amber + 1-Rect-46L-Blue | or 1-Rect-46CL-Amber + 1-Rect-46CL-Blue |
| <input type="checkbox"/> 1-Rect-46L-Red + 1-Rect-46L-White | or 1-Rect-46CL-Red + 1-Rect-46L-White |
| <input type="checkbox"/> 2-Rect-46LL-Red/Amber | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-46LL-Red/Blue | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-46LL-Amber/Blue | - not available in colored lens - |
| <input type="checkbox"/> 2-Rect-46LL-Red/White | - not available in colored lens - |
| | |
| <input type="checkbox"/> 2-Rect-79L-Red | or 2-Rect-79CL-Red |
| <input type="checkbox"/> 2-Rect-79L-Amber | or 2-Rect-79CL-Amber |
| <input type="checkbox"/> 2-Rect-79L-Blue | or 2-Rect-79CL-Blue |
| <input type="checkbox"/> 1-Rect-79L-Red + 1-Rect-79L-Amber | or 1-Rect-79CL-Red + 1-Rect-79CL-Amber |
| <input type="checkbox"/> 1-Rect-79L-Red + 1-Rect-79L-Blue | or 1-Rect-79CL-Red + 1-Rect-79CL-Blue |
| <input type="checkbox"/> 1-Rect-79L-Amber + 1-Rect-79L-Blue | or 1-Rect-79CL-Amber + 1-Rect-79CL-Blue |
| <input type="checkbox"/> 1-Rect-79L-Red + 1-Rect-79L-White | or 1-Rect-79CL-Red + 1-Rect-79L-White |
| <input type="checkbox"/> 2-Rect-79LL-Red/White | - not available in colored lens - |

Note:

- White warning lamps must be disabled in Blocking Right of Way.
- White warning lamps are NOT PERMITTED in Zone C.
- Amber warning lamps may be used in Zone A, ONLY if disabled in Clearing Right of Way.
- When using more than one warning lamp size, select a minimum color combination and upgrade any Rect-37L to a 46L or 79L, or any 46L to a 79L.